



Gulf of Mexico Harmful Algal Bloom Bulletin

13 August 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: August 6, 2007

Conditions Report

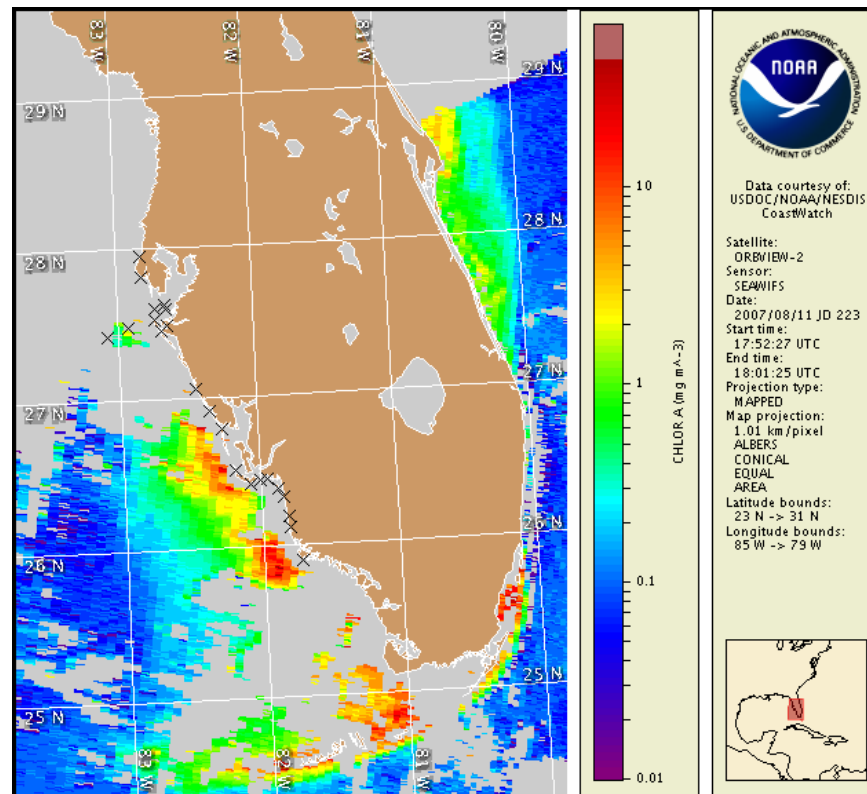
There is currently no indication of harmful algal bloom presence along the coast of southwest Florida. No impacts are expected in any Florida counties today through Sunday, August 19.

Analysis

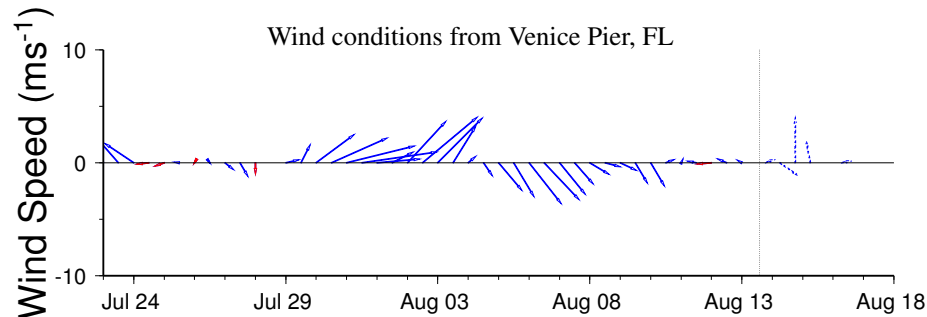
Recent samples indicate that the harmful algae *Karenia brevis* is not currently present along the coast of southwest Florida, including the Florida Keys (8/6-10, FWRI). Imagery has been cloudy in the past week, but patches of elevated chlorophyll remain along the coast of Lee and Collier Counties due to continued nonharmful algae presence.

Upwelling-favorable winds later in the week may increase the potential for bloom formation. Continued sampling along the coast is recommended. No impacts are expected along the southwest Florida coast.

- Allen, Fenstermacher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 3-9 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

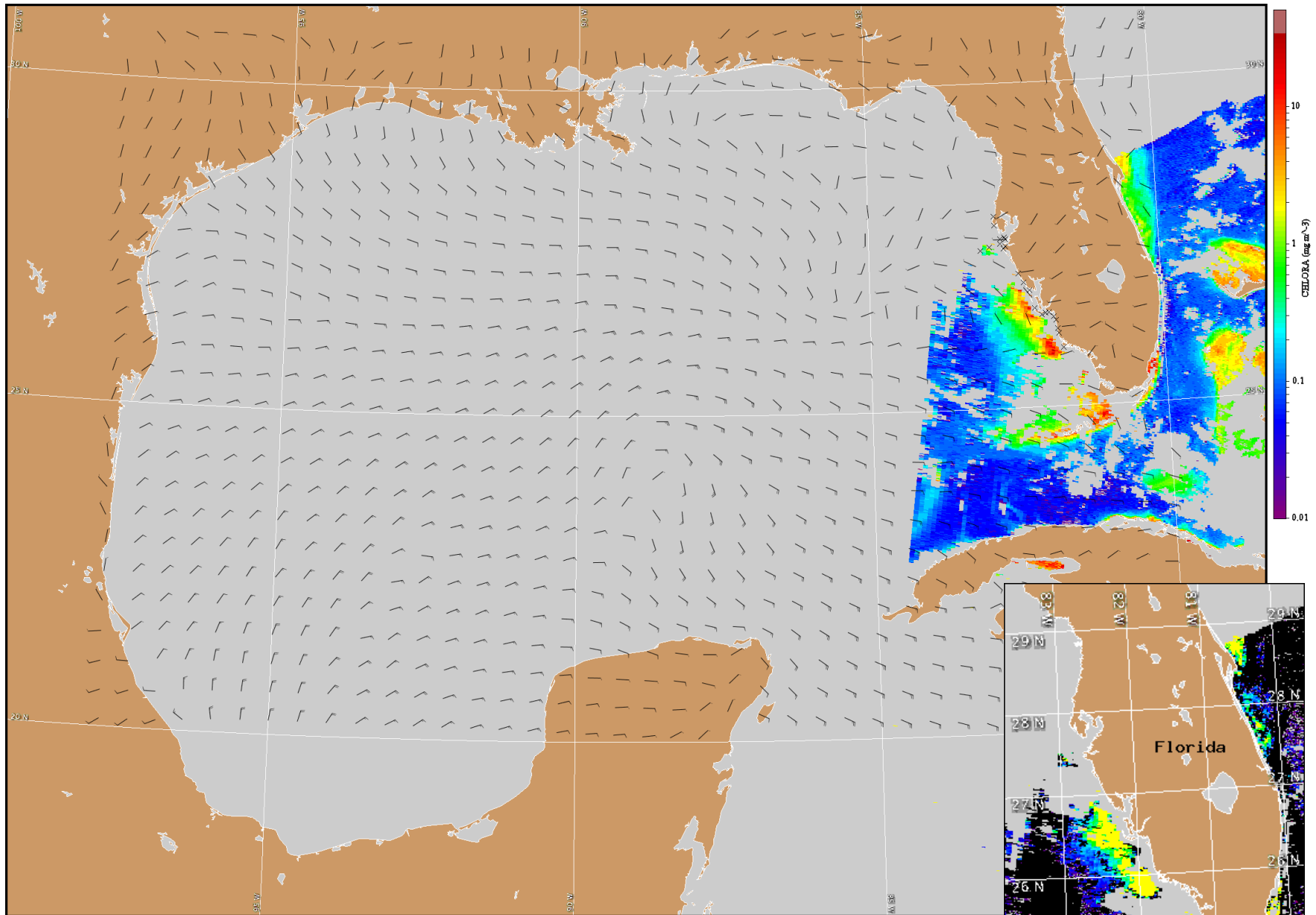


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Variable southerly winds today at 5-10 knots (3-5 m/s) becoming easterly Tuesday. Variable winds Wednesday becoming easterly Thursday and Friday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for August 14, 2007 06Z with cell concentration sampling data from August 3-9 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).